

## TFRSAC CALFIRE outline

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### Brief fire season overview

- 2013 Spring snowpack – 17% normal
- Season started in last week of April in So Cal.
- October 19<sup>th</sup>: 6,181 fires, 150,782 acres on State Responsibility Area

### RS data uses based on timing

#### **Response time** – real time

- i.e. infrared, NIROPS for fire intel and detecting fire position, heat output, detecting operations
- VERY time sensitive.
- Usually configured on aircrafts and drones.

#### **Impact time** – 24-48 hours

- i.e. damage assessment.
- Working with NIST to develop app (Droid or Iphone) that collects tabular and spatial data, GPS and photo.
- High res imagery would be useful within this period for identifying damage sites.

#### **Recovery time** – 1 week

- I.e. Soil Burn Severity for BAER teams

#### **Monitoring time** – 1 month to a year

- i.e. change detection, vegetation burn severity
- CALFIRE is working with RSAC to complete RVEG product for state and private lands to make comprehensive, statewide product to be used for successional impacts, evaluate fuels treatments, fire impacts, fire behavior.
- Other monitoring products – LIDAR and other RS products for fuel surface structure models in brushland fuel systems, vertical structure (ladder, canopy density) in canopy fuel systems.
- Potential need: High resolution, multispectral pre-fire home location and material data to aid in damage assessment.